

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stinson et al.
Appl. No. :
Filed : March 2, 2004
Title : METHOD, MEDIA, AND SIGNALS FOR PROCESSING SEISMIC DATA TO
OBTAIN A VELOCITY FIELD
Grp./A.U. :
Examiner :

Docket No.: 14631

Honorable Assistant Commissioner of Patents
Alexandria, VA 22313-1450

Sir:

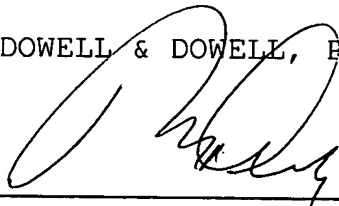
PTO CUSTOMER NO. 000293

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R., §§ 1.97-1.99, applicant submits the following information which may be of interest to the examiner in charge of the above referenced application for patent. Only copies of the non-US references listed on the attached Form PTO-1449 are attached.

Respectfully submitted,

DOWELL & DOWELL, P. C.



Ralph A. Dowell, Reg. No.: 26,868
Date: March 2, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number

Filing Date

First Named Inventor

Stinson, Kerry James

Art Unit

Examiner Name

Attorney Docket Number

82723-1

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A1	US-6,493,634 B1	12-10-2002	Krebs et al.	
	A2	US-6,289,285 B1	09-11-2001	Neff et al.	
	A3	US-5,978,314	11-02-1999	Pham	
	A4	US-5,663,928	09-02-1997	De Bazelaire et al.	
	A5	US-5,640,368	06-17-1997	Krebs	
	A6	US-5,570,321	10-29-1996	Bernitsas	
	A7	US-5,297,108	03-22-1994	Swan	
	8	US-			
	9	US-			
	10	US-			
	11	US-			
	12	US-			
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	14	US-			
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	18	US-			
	19	US-			
	20	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
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Sheet 2

of 2

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Application Number

Filing Date

First Named Inventor

Stinson, Kerry James

Art Unit

Examiner Name

Attorney Docket Number

82723-1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	S.M. Deregowski, "Common-offset migrations and velocity analysis" (1990) 8:6 First Break 225	
	C2	P. Hubral, "Time-Migration - Some Ray Theoretical Aspects" (1977) 25 Geophysical Prospecting 738	
	C3	G. Gardner et al., "Dip Moveout and Prestack Imaging" (1988) Offshore Technology Conference (OTC 5158) 75	
	C4	A. Canning & G. Gardner, "A two-pass approximation to 3-D prestack migration" (1996) 61:2 Geophysics 409	
	C5	V. Devaux et al., "3-D prestack depth migration by Kirchhoff operator splitting" (1996) 66th Annual International Meeting of Expl. Geophys. 455	
	C6	P.J. Fowler, "A comparative overview of prestack time migration methods" (1997) 67th Annual International Meeting of Expl. Geophys. 1571	
	C7	W. Kessinger, "Two-pass 3-D prestack depth imaging of the SEG salt model data" (1999) 69th Annual International Meeting of Expl. Geophys. 1095	
	C8	M. Taner & F. Koehler, "Velocity Spectra - Digital Computer Derivation and Applications of Velocity Functions" (1969) 34:6 Geophysics 859 (reprinted in a Classics Issue, 1985)	
	C9	J. Bednar, "A theoretical comparison of equivalent-offset migration and dip moveout-prestack imaging" (1999) 64:1 Geophysics 191	
	C10	A. Canning & G. Gardner, "Two-Pass 3-D Prestack Depth Migration" (1993) 63rd Annual International Meeting of Expl. Geophys. 892	
	C11	J.R. Berryhill, "Kinematics of crossline prestack migration" (1991) 56:10 Geophysics 1674	
	C12	P.L. Stoffa et al., "Direct mapping of seismic data to the domain of intercept time and ray parameter - A plane-wave decomposition" (1981) 46:3 Geophysics 255	
	C13	J.W. Sattlegger et al., "Common Offset Plane Migration (COPMIG)" (1980) 28 Geophysical Prospecting 859	
	C14	O. Yilmaz, "Seismic Data Processing" in S.M. Doherty, ed., Investigations in Geophysics, vol. 2 (Tulsa: Society of Exploration Geophysicists, 1987) pp 47-49, 155-183, 328-350, 403-410.	
Examiner Signature			Date Considered

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